

Investigation of Steam Explosion Pretreatment of Sawdust and Oat Straw to Improve Their Quality as Biofuel Pellet

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Supplementary Data

Table S1. Severity factor of the steam explosion pretreatment used in the experiments.

| Temp (°) | time (min) | severity factor |
|----------|------------|-----------------|
| 160 | 5 | 2.47 |
| 160 | 7 | 2.61 |
| 160 | 9 | 2.72 |
| 180 | 5 | 3.05 |
| 180 | 7 | 3.2 |
| 180 | 9 | 3.31 |
| 200 | 5 | 3.64 |
| 200 | 7 | 3.79 |
| 200 | 9 | 3.90 |



Figure S1. Photographs of the steam explosion system used in the experiments. (a) steam generator; (b) pressure vessel (chamber); (c) cyclone